

Amendment to the Abstract

Please amend the application to add the following Abstract. A separate single Abstract page accompanies this Amendment.

**METHOD OF FINDING MODULATORS OF ENZYMES OF THE CAROTENOID
BIOSYNTHETIC PATHWAY**

ABSTRACT OF THE DISCLOSURE

This invention relates to nucleic acids which encode tobacco zeta-carotene synthase, to polypeptides encoded thereby, and to methods of finding modulators of the activity of zeta carotene synthase, phytoene synthase and phytoene desaturase.